

DataAnalyst

Remote Data Storage and Reporting
for Lasair® Pro, Lasair® III, and MiniCapt® Mobile



Without measurement there is no control

DataAnalyst is a supporting software package for Lasair Pro, Lasair III, and MiniCapt Mobile devices. It connects easily to allow data downloading, archiving, and reporting that is fully compliant with all secure data transfer requirements. The program supports a multitude of installation configurations, from a single base station to integrated networks of multiple Lasair Pro, Lasair III, and MiniCapt Mobile instruments connected to a LAN for distribution and reporting.

The comprehensive reporting structure works with specific inputs from the particle counter and filters sampling data based on location, date/time or product batch information. Reports can be generated to meet industry requirements and configured to include raw and tabular data in statistical and graphical formats. The reporting tool can also be configured to produce various report formats, including certification to ISO 14644-1:2015, FDA, EU GMP, or FS 209 standards.

The integration with MiniCapt Mobile microbial samplers allows for collection, storage and reporting of sampling data. The manual data entry function enables the authorized user to include CFU counts, incubation temperature and incubation time.

All cleanroom classification and monitoring data can now be in a unique, secure, and validated program

BENEFITS

- Cleanroom certification reports meet ISO 14644-1:2015, FDA, EU GMP and FS 209E standards
- Long term data archiving for Lasair Pro and Lasair III particle counters and MiniCapt Mobile microbial samplers
- Centralized SQL Server® database for access to all Lasair Pro and Lasair III particle counter and MiniCapt Mobile microbial sampler data and reports across a site-wide LAN
- Compliant with 21 CFR Part 11 for data security and integrity
- Single click download from a configured instrument
- Export secure data via USB port on Lasair III and via Ethernet connections on the Lasair Pro and MiniCapt Mobile
- Enhanced software security allows for Windows Active Directory ID/password management

FEATURES

- Compatible with Lasair III and MiniCapt Mobile
- Intuitive tabular design
- Simple report filtering and configuration
- Security configuration quickly adds new users and customizable groups
- Full audit trail

APPLICATIONS

- Downloading data from Lasair Pro, Lasair III, and MiniCapt Mobile
- Cleanroom compliance monitoring and reporting
- Cleanroom certification and contamination trend analysis
- Cleanroom certification reporting with Lasair Pro and Lasair III particle counters
- Microbial activity reporting
- Process tool monitoring and reporting

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Specifications

PC compatibility	Please refer to the Microsoft® operating system minimum requirements.
Memory	2 GB RAM, minimum
Hard disk	64 GB free hard drive space for the data archives, message files, buffer files, and log files used by the system
Network	TCP/IP-compatible network adapters are acceptable
Operating systems	Microsoft Windows 10
Database compatibility	Microsoft SQL Server® 2014 Express SP1 or Standard edition
Instrument compatibility	DataAnalyst version 4.x and newer is compatible with Lasair® III particle counter running firmware version 2.1.008 or newer, Lasair® Pro running firmware version 1.01.015 or newer, MiniCapt® Mobile running firmware version 2.0.0.0/1.1/1.3.0.0, and MiniCapt® Mobile Refresh running firmware version 3.0.0.1/2.0/2.1.0.0 or newer.

*Contact Particle Measuring Systems for information about firmware/software upgrades

The screenshot displays the DataAnalyst software interface. On the left, a 'Time Plot' window shows a line graph titled 'Chart Excursion on 14 August 2008' with 'Cumulative Raw Counts' on the y-axis and time on the x-axis. In the center, a data table lists measurements for 'Lasair III' instruments at various locations, with columns for 'Interval', 'Location', 'Volume', 'Flow', and 'Laser'. On the right, a 'Certification Wizard' window shows a 'Cleanroom Certification Report' with fields for 'Date & Time', 'Operator', and 'Location', along with a table of test results.

Interactive charts

Data view with multiple instruments configured to facilitate quick downloads

Certification report

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